

**Public Involvement Plan
for**

**SANDIA NATIONAL LABORATORIES (SNL), NEW MEXICO
EPA ID# NM5890110518**

**Public Notice for
Mixed Waste Landfill Five-Year Report, January 2019**

Prepared by:

Hazardous Waste Bureau
New Mexico Environment Department
Santa Fe, New Mexico
April 2019

I. Public Involvement Plan Overview

The New Mexico Environment Department (NMED), Hazardous Waste Bureau (Bureau or HWB) developed this Public Involvement Plan (PIP) in response to the receipt of the Sandia National Laboratories (SNL) Mixed Waste Landfill Five-Year Report dated January 2019. The NMED Final Order, dated May 26, 2005, approved the final remedy for the Mixed Waste Landfill (MWL) and established the requirement for submittal of a five-year report (Report) on the remedy performance. The Final Order also required that NMED provide a process whereby members of the public may comment on the Report and its conclusions and to respond to comments in its final approval of the Report. The MWL is a 2.6-acre Solid Waste Management Unit located in the north-central portion of Technical Area-III approximately four miles south of SNL central facilities and five miles southeast of the Albuquerque International Sunport. Low level radioactive waste, hazardous waste, and mixed waste generated at SNL/NM research facilities and offsite locations were disposed in the MWL between March 1959 to December 1988. On January 8, 2014, NMED approved the MWL Long-Term Monitoring and Maintenance Plan (LTMMMP), which initiated the first five-year performance evaluation period.

SNL headquarters is located within the boundaries of Kirtland Air Force Base (KAFB) near Albuquerque in Bernalillo County, New Mexico. KAFB is located between the Sandia and Manzano mountain ranges in southeastern Albuquerque, New Mexico and covers 52,223 acres on a high arid mesa approximately 5 miles east of the Rio Grande. The SNL occupies 2,829 acres of land owned by the DOE and an additional 14,920 acres of land provided through land-use permits with KAFB, the U.S. Forest Service (USFS), the State of New Mexico, and the Pueblo of Isleta. The SNL address is 1515 Eubank SE, Albuquerque, New Mexico, 87123. The purpose of this PIP is to plan for providing public participation opportunities and information regarding the Mixed Waste Landfill Five-Year Report as required by statute or regulation, and also as the Bureau determines is needed to facilitate participation by the affected community.

This PIP integrates information about the community and identifies resources needed by the Bureau to successfully incorporate community participation activities into the RCRA decision-making process. The PIP identifies the NMED staff and resources needed to accomplish these activities.

In developing this PIP, community participation needs at the site were assessed to ensure appropriate promotion of public outreach by identifying whether there is a combination of environmental and demographic factors (e.g., low income, minority, limited English proficiency, linguistically isolated households) that may affect public participation actions. This assessment identifies community outreach needs based on the type of activity and potential effects to the surrounding community and addresses the provision of public access to information about the review process.

To the extent possible, public participation and informational activities related to implementation of this PIP will be held within the timelines outlined below. Public notice activities are subject to statutory or regulatory deadlines.

Documents issued for public comment will generally be made available for a 60-day period to allow for formal public review and comments and there will be a minimum 30-day notice for public informational meetings, if scheduled. Based on the demographics of the area, the Bureau will provide pertinent information in both English and Spanish, and other languages as appropriate, in public notices, public informational meeting notices, and other announcements (e.g., radio broadcasts, newspaper notices, mailings.).

If public informational meetings are held, the Bureau will make arrangements for simultaneous Spanish interpretation during the informational meetings, and, to the extent practicable, make arrangements for translating to languages other than Spanish, if applicable, and also for obtaining services for persons with disabilities.

This PIP was developed by the Hazardous Waste Bureau and may be amended to address specific actions at SNL and after considering public comments and feedback. The Bureau will make the final approval of the PIP and amendments.

II. Contacts

The Bureau contact for this report review process is:

Dave Cobrain, Program Manager
Hazardous Waste Bureau
Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6313

Phone: (505) 476-6000
Fax: (505) 476-6030
Email: dave.cobrain@state.nm.us

Hazardous Waste Bureau actions issued for public comment will include specific instructions for submitting comments related to the Mixed Waste Landfill Five-Year Report.

III. Assistance for Non-English Language Speakers and Persons with Disabilities

The Bureau will include information about how persons may request non-English speaker language assistance and accommodations for persons with disabilities (e.g., deaf and/or non-English language interpreters) in public notices and notices for informational meetings or hearings, if held, related to the report review process. Public notices will direct public requests for assistance to the Bureau contact, who will notify the Department's Non-Discrimination Coordinator. Arrangements will be made by the Bureau for document translation, interpretation, or disability services related to the activity or proceeding, as necessary. The following information will be provided in public notices so that hearing-impaired callers and persons with a disability can contact the Bureau and ask questions about the activity or proceeding:

Toll-free numbers are available for TDD or TDY users to access the New Mexico Relay Network at 1-800-659-1779 (voice); TTY users: 1-800-659-8331. HWB public notices will

include Bureau contact information for persons with a disability who require assistance or auxiliary aid to participate in this process.

IV. Department Websites

Public notices and outreach materials will include links to the following websites:

New Mexico Environment Department - www.env.nm.gov

Hazardous Waste Bureau - www.env.nm.gov/hazardous-waste

V. EJSCREEN Summary

To assess the need to specifically reach and inform Limited English Proficient (LEP) community populations to encourage public participation, two search criteria were utilized (EJSCREEN and American Fact Finder). The first tool, Environmental Justice mapping and screening (EJSCREEN), was developed by the U.S. Environmental Protection Agency (EPA). EJSCREEN provides up to 11 environmental indexes and six demographic indexes. Through EJSCREEN, demographic data is available for 2012-2016 via the American Community Survey (ACS), the 2010 U.S. Census, and the 2000 U.S. Census.

To meet the search criteria specified in NMED policy 07-13, preliminary screenings were conducted using the EPA EJSCREEN tool to generate reports from the American Community Survey (ACS) using a three- and four- mile radius from the center of the SNL MWL.

This report, which is included as Appendix A to this PIP, indicated that there are no households within a three-mile radius of the facility and 22 households within a four-mile radius; the per capita income households for the population within a four-mile radius was \$24,777. All of the households located within a four-mile radius of the MWL were located northeast of Kirtland Air Force Base.

The percent minority population located within a four-mile radius of the MWL SWMU was 53% and the percent of population by race within a four-mile radius of the MWL SWMU was 47% white Non-Hispanic. Within a four-mile radius of the MWL SWMU, 37% of the population is listed as Hispanic, 4% of the population was listed as Black and 8% were listed as Asian.

There is one linguistically isolated household within a four-mile radius from the MWL. The linguistically isolated household within four-miles of the facility spoke Spanish.

The percentage of the population who were age 5+ who spoke only English within a four-mile radius of the MWL was 75%, and for those who spoke a language other than English at home, 14% spoke English “very well” within a four-mile radius of the Facility. These results indicate that for the affected communities, the percentage of persons who speak English “less than very well” within a four-mile radius of the MWL is 11% which is more than the state average (10%) and more than the national average (8.7%).

The second tool, American Fact Finder, was developed by the United States Census Bureau. The tool presents language data from the ACS for languages spoken at home. This tool was chosen to supplement search criteria to be thorough in our efforts to reach LEP communities. While there were differences in the data when compared to EJSCREEN, the percentages related to limited English proficiency and demographic distribution generally corroborated the EJSCREEN data.

Based on the EJSCREEN and American Fact Finder results, along with the history of public involvement at the site and the site background, the Bureau has determined that public notice documents should provide basic information concerning public involvement opportunities in both English and Spanish. This information will include how to request materials in Spanish or to speak with Hazardous Waste Bureau staff through an interpreter.

VI. Public Participation Activities

The Bureau will conduct the following public participation and outreach activities associated with this public notice process:

- Postal mailings
- Radio announcements
- Newspaper publications

VII. Postal Mailing or E-Mailing of Notices to Persons on the Facility-Specific Mailing List

The Hazardous Waste Bureau maintains a facility mailing list for SNL that includes individuals and local, state, and federal government and tribal agencies interested in RCRA-related facility activities. The Bureau maintains contact information which is updated or supplemented, if additional information becomes available. Individuals, organizations, and other interested parties are added to the list as requested. If the Bureau receives returned mail subsequent to issuance of a public notice indicating the recipient is no longer at the listed address, the name may be removed from a facility mailing list.

VIII. Notices in the State Newspaper and Local Newspapers

Public notices that are required to be published in state and local newspapers will be published in English and Spanish in the Albuquerque Journal (state wide circulation). There is no local Spanish Language newspaper in New Mexico.

Albuquerque Journal:
<https://www.abqjournal.com/>

IX. Public Notices

Public notices are issued for public comment periods related to the issuance of 1) draft permits, including major permit modifications, 2) public informational meetings, and 3) selected other public notifications. Public notices are mailed to persons included on the facility mailing list,

published in the Albuquerque Journal, broadcast as public service announcements on radio, and posted on the Hazardous Waste Bureau website. The notifications will be issued in English and Spanish. These notices will provide general information about the MWL Five-Year Report review process, contact information for submitting comments, and, if held, the time and location of public informational meetings.

X. Public Comment Periods

The Hazardous Waste Bureau generally provides a 60-day comment for major permit actions to allow the public an opportunity to comment on permit actions. The Hazardous Waste Bureau may extend the public comment period, if a request is received during the public comment period to extend the comment period based on significant interest. The Hazardous Waste Bureau will provide public notice of any extension to a public comment period as described in Section IX above.

XI. Public Information Meetings

The MWL is inaccessible to the public and was used as a disposal area for low level radioactive waste, hazardous waste, and mixed waste generated at SNL/NM research facilities and offsite locations from March 1959 to December 1988. Access is restricted by the Kirtland Air Force Base boundary fencing and security which prohibits access by unauthorized persons. The MWL is further secured by a perimeter security fence and signage where access is limited to authorized personnel.

Because the contact with the public, and therefore members of the public with limited English proficiency, is infrequent and the sites do not currently pose a risk to human health or the environment, the Bureau does not plan to hold a public informational meeting to provide information regarding this report review, and will publish the public notice for this action in accordance with the May 2005 Final Order and as described in Section IX above.

XII. Other Outreach

In addition to the public notice procedures described in Section IX above, notices in the form of flyers announcing public comment periods and informational meetings, if held, may be posted in locations throughout the community (e.g., local businesses, schools, libraries). All notices will be posted on the NMED Hazardous Waste Bureau website. Depending on the cost and a radio station's public service broadcast availability, the Bureau may use commercial radio announcements or informational broadcasts in both English and Spanish.

Because the contact with the public, and therefore members of the public with limited English proficiency, is infrequent and the sites do not pose a risk to human health or the environment, the Bureau does not plan to provide additional public outreach for this permit action.

XIII. Site Repositories

During public comment periods, in addition to information being posted on the Hazardous Waste Bureau website, copies of relevant documents will be accessible in print or on-line at the following location:

NMED Hazardous Waste Bureau
Rodeo Park Drive East, Building 1
Santa Fe, NM 87505
505-476-6000

XIV. Responses to Comments

The Hazardous Waste Bureau must ensure that approved reports are consistent with the New Mexico Hazardous Waste Management Regulations. All written comments submitted on the MWL Five-Year Report will become part of the administrative record, will be considered in the review process, and may cause a disapproval of the MWL Five-Year Report. The Hazardous Waste Bureau will respond in writing to all significant public comment. The response will specify which provisions, if any, of the MWL Five-Year Report have been changed in the final permit decision, and the reasons for the change. This response will also be posted on the Bureau's website and the Bureau will notify all persons who have provided written comments.

After consideration of all written public comments received, the Bureau will approve or disapprove the MWL Five-Year Report. If the Bureau disapproves the MWL Five-Year Report, the Permittees will be provided by mail a copy of the disapproval and will be required to submit a revised MWL Five-Year Report for Bureau approval. The Bureau will make the final response publicly available. All persons that provided written comments, or who requested notification in writing, will be notified of the final decision by mail.

ATTACHMENT A

Location: User-specified point center at 34.991938, -106.545738

Ring (buffer): 3-mile radius

Description: MWL

Summary of ACS Estimates		2012 - 2016		
Population				0
Population Density (per sq. mile)				0
Minority Population				0
% Minority				0%
Households				0
Housing Units				0
Housing Units Built Before 1950				0
Per Capita Income				18,844
Land Area (sq. miles) (Source: SF1)				26.10
% Land Area				100%
Water Area (sq. miles) (Source: SF1)				0.13
% Water Area				0%
		2012 - 2016 ACS Estimates	Percent	MOE (±)
Population by Race				
Total		0	0%	197
Population Reporting One Race		0	0%	391
White		0	0%	160
Black		0	0%	114
American Indian		0	0%	14
Asian		0	0%	68
Pacific Islander		0	0%	18
Some Other Race		0	0%	17
Population Reporting Two or More Races		0	0%	18
Total Hispanic Population		0	0%	68
Total Non-Hispanic Population		0		
White Alone		0	0%	160
Black Alone		0	0%	114
American Indian Alone		0	0%	14
Non-Hispanic Asian Alone		0	0%	68
Pacific Islander Alone		0	0%	18
Other Race Alone		0	0%	11
Two or More Races Alone		0	0%	18
Population by Sex				
Male		0	0%	176
Female		0	0%	118
Population by Age				
Age 0-4		0	0%	11
Age 0-17		0	0%	11
Age 18+		0	0%	204
Age 65+		0	0%	11

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race.

N/A means not available. Source: U.S. Census Bureau, American Community Survey (ACS) 2012 - 2016.

Location: User-specified point center at 34.991938, -106.545738

Ring (buffer): 3-mile radius

Description: MWL

	2012 - 2016 ACS Estimates	Percent	MOE (±)
Population 25+ by Educational Attainment			
Total	0	0%	74
Less than 9th Grade	0	0%	11
9th - 12th Grade, No Diploma	0	0%	11
High School Graduate	0	0%	21
Some College, No Degree	0	0%	61
Associate Degree	0	0%	11
Bachelor's Degree or more	0	0%	38
Population Age 5+ Years by Ability to Speak English			
Total	0	0%	197
Speak only English	0	0%	179
Non-English at Home ¹⁺²⁺³⁺⁴	0	0%	55
¹ Speak English "very well"	0	0%	55
² Speak English "well"	0	0%	11
³ Speak English "not well"	0	0%	11
⁴ Speak English "not at all"	0	0%	11
³⁺⁴ Speak English "less than well"	0	0%	11
²⁺³⁺⁴ Speak English "less than very well"	0	0%	11
Linguistically Isolated Households*			
Total	0	0%	11
Speak Spanish	0	0%	11
Speak Other Indo-European Languages	0	0%	11
Speak Asian-Pacific Island Languages	0	0%	11
Speak Other Languages	0	0%	11
Households by Household Income			
Household Income Base	0	0%	11
< \$15,000	0	0%	11
\$15,000 - \$25,000	0	0%	11
\$25,000 - \$50,000	0	0%	11
\$50,000 - \$75,000	0	0%	11
\$75,000 +	0	0%	11
Occupied Housing Units by Tenure			
Total	0	0%	11
Owner Occupied	0	0%	11
Renter Occupied	0	0%	11
Employed Population Age 16+ Years			
Total	0	0%	197
In Labor Force	0	0%	181
Civilian Unemployed in Labor Force	0	0%	11
Not In Labor Force	0	0%	82

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race.

N/A means not available. Source: U.S. Census Bureau, American Community Survey (ACS)

*Households in which no one 14 and over speaks English "very well" or speaks English only.

Location: User-specified point center at 34.991938, -106.545738

Ring (buffer): 3-mile radius

Description: MWL

	2012 - 2016 ACS Estimates	Percent	MOE (±)
Population by Language Spoken at Home*			
Total (persons age 5 and above)	477	100%	356
English	394	83%	359
Spanish	41	9%	113
French	0	0%	11
French Creole	N/A	N/A	N/A
Italian	N/A	N/A	N/A
Portuguese	N/A	N/A	N/A
German	1	0%	24
Yiddish	N/A	N/A	N/A
Other West Germanic	N/A	N/A	N/A
Scandinavian	N/A	N/A	N/A
Greek	N/A	N/A	N/A
Russian	N/A	N/A	N/A
Polish	N/A	N/A	N/A
Serbo-Croatian	N/A	N/A	N/A
Other Slavic	N/A	N/A	N/A
Armenian	N/A	N/A	N/A
Persian	N/A	N/A	N/A
Gujarathi	N/A	N/A	N/A
Hindi	N/A	N/A	N/A
Urdu	N/A	N/A	N/A
Other Indic	N/A	N/A	N/A
Other Indo-European	0	0%	11
Chinese	7	2%	57
Japanese	N/A	N/A	N/A
Korean	0	0%	11
Mon-Khmer, Cambodian	N/A	N/A	N/A
Hmong	N/A	N/A	N/A
Thai	N/A	N/A	N/A
Laotian	N/A	N/A	N/A
Vietnamese	0	0%	11
Other Asian	12	3%	103
Tagalog	3	1%	25
Other Pacific Island	N/A	N/A	N/A
Navajo	N/A	N/A	N/A
Other Native American	N/A	N/A	N/A
Hungarian	N/A	N/A	N/A
Arabic	9	2%	97
Hebrew	N/A	N/A	N/A
African	N/A	N/A	N/A
Other and non-specified	3	1%	21
Total Non-English	82	17%	506

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race.

N/A means not available. Source: U.S. Census Bureau, American Community Survey (ACS) 2012 - 2016.

*Population by Language Spoken at Home is available at the census tract summary level and up.

Location: User-specified point center at 34.991938, -106.545738
Ring (buffer): 4-mile radius
Description: MWL

Summary of ACS Estimates		2012 - 2016
Population		81
Population Density (per sq. mile)		1
Minority Population		43
% Minority		53%
Households		22
Housing Units		22
Housing Units Built Before 1950		0
Per Capita Income		24,777
Land Area (sq. miles) (Source: SF1)		59.34
% Land Area		99%
Water Area (sq. miles) (Source: SF1)		0.43
% Water Area		1%

	2012 - 2016 ACS Estimates	Percent	MOE (±)
Population by Race			
Total	81	100%	602
Population Reporting One Race	78	96%	1,595
White	58	71%	565
Black	3	4%	114
American Indian	0	0%	225
Asian	6	8%	227
Pacific Islander	0	0%	18
Some Other Race	10	12%	446
Population Reporting Two or More Races	3	4%	90
Total Hispanic Population	30	37%	580
Total Non-Hispanic Population	51		
White Alone	38	47%	325
Black Alone	3	4%	114
American Indian Alone	0	0%	236
Non-Hispanic Asian Alone	6	8%	227
Pacific Islander Alone	0	0%	18
Other Race Alone	0	0%	11
Two or More Races Alone	3	3%	75
Population by Sex			
Male	39	48%	419
Female	42	52%	322
Population by Age			
Age 0-4	3	4%	91
Age 0-17	16	20%	212
Age 18+	65	80%	438
Age 65+	12	15%	145

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race.

N/A means not available. Source: U.S. Census Bureau, American Community Survey (ACS) 2012 - 2016.

Location: User-specified point center at 34.991938, -106.545738

Ring (buffer): 4-mile radius

Description: MWL

	2012 - 2016 ACS Estimates	Percent	MOE (±)
Population 25+ by Educational Attainment			
Total	58	100%	410
Less than 9th Grade	1	1%	189
9th - 12th Grade, No Diploma	2	3%	122
High School Graduate	7	12%	142
Some College, No Degree	15	25%	204
Associate Degree	6	10%	160
Bachelor's Degree or more	34	59%	334
Population Age 5+ Years by Ability to Speak English			
Total	78	100%	582
Speak only English	58	75%	421
Non-English at Home ¹⁺²⁺³⁺⁴	20	25%	426
¹ Speak English "very well"	11	14%	280
² Speak English "well"	3	4%	87
³ Speak English "not well"	1	1%	168
⁴ Speak English "not at all"	5	6%	334
³⁺⁴ Speak English "less than well"	5	7%	335
²⁺³⁺⁴ Speak English "less than very well"	9	11%	346
Linguistically Isolated Households*			
Total	1	100%	106
Speak Spanish	1	83%	105
Speak Other Indo-European Languages	0	0%	11
Speak Asian-Pacific Island Languages	0	17%	21
Speak Other Languages	0	0%	15
Households by Household Income			
Household Income Base	22	100%	147
< \$15,000	0	1%	95
\$15,000 - \$25,000	1	4%	94
\$25,000 - \$50,000	2	9%	113
\$50,000 - \$75,000	5	23%	136
\$75,000 +	14	64%	204
Occupied Housing Units by Tenure			
Total	22	100%	147
Owner Occupied	19	88%	139
Renter Occupied	3	12%	119
Employed Population Age 16+ Years			
Total	65	100%	454
In Labor Force	48	73%	472
Civilian Unemployed in Labor Force	1	2%	136
Not In Labor Force	18	27%	275

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race.

N/A means not available. Source: U.S. Census Bureau, American Community Survey (ACS)

*Households in which no one 14 and over speaks English "very well" or speaks English only.

Location: User-specified point center at 34.991938, -106.545738

Ring (buffer): 4-mile radius

Description: MWL

	2012 - 2016 ACS Estimates	Percent	MOE (±)
Population by Language Spoken at Home*			
Total (persons age 5 and above)	2,554	100%	568
English	1,209	47%	403
Spanish	1,284	50%	552
French	0	0%	16
French Creole	N/A	N/A	N/A
Italian	N/A	N/A	N/A
Portuguese	N/A	N/A	N/A
German	7	0%	24
Yiddish	N/A	N/A	N/A
Other West Germanic	N/A	N/A	N/A
Scandinavian	N/A	N/A	N/A
Greek	N/A	N/A	N/A
Russian	N/A	N/A	N/A
Polish	N/A	N/A	N/A
Serbo-Croatian	N/A	N/A	N/A
Other Slavic	N/A	N/A	N/A
Armenian	N/A	N/A	N/A
Persian	N/A	N/A	N/A
Gujarathi	N/A	N/A	N/A
Hindi	N/A	N/A	N/A
Urdu	N/A	N/A	N/A
Other Indic	N/A	N/A	N/A
Other Indo-European	0	0%	16
Chinese	7	0%	57
Japanese	N/A	N/A	N/A
Korean	0	0%	16
Mon-Khmer, Cambodian	N/A	N/A	N/A
Hmong	N/A	N/A	N/A
Thai	N/A	N/A	N/A
Laotian	N/A	N/A	N/A
Vietnamese	0	0%	16
Other Asian	18	1%	103
Tagalog	3	0%	25
Other Pacific Island	N/A	N/A	N/A
Navajo	N/A	N/A	N/A
Other Native American	N/A	N/A	N/A
Hungarian	N/A	N/A	N/A
Arabic	9	0%	97
Hebrew	N/A	N/A	N/A
African	N/A	N/A	N/A
Other and non-specified	8	0%	21
Total Non-English	1,345	53%	696

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race.

N/A means not available. Source: U.S. Census Bureau, American Community Survey (ACS) 2012 - 2016.

*Population by Language Spoken at Home is available at the census tract summary level and up.